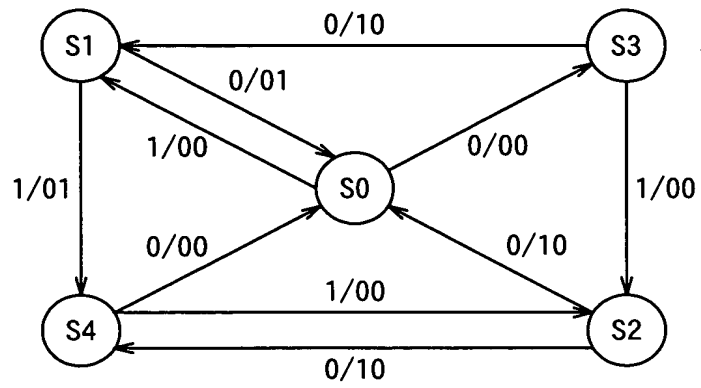
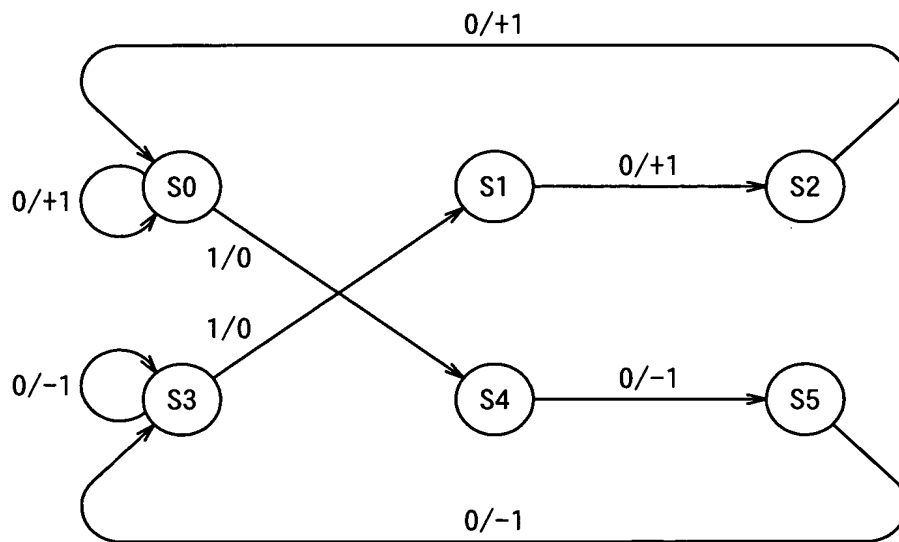


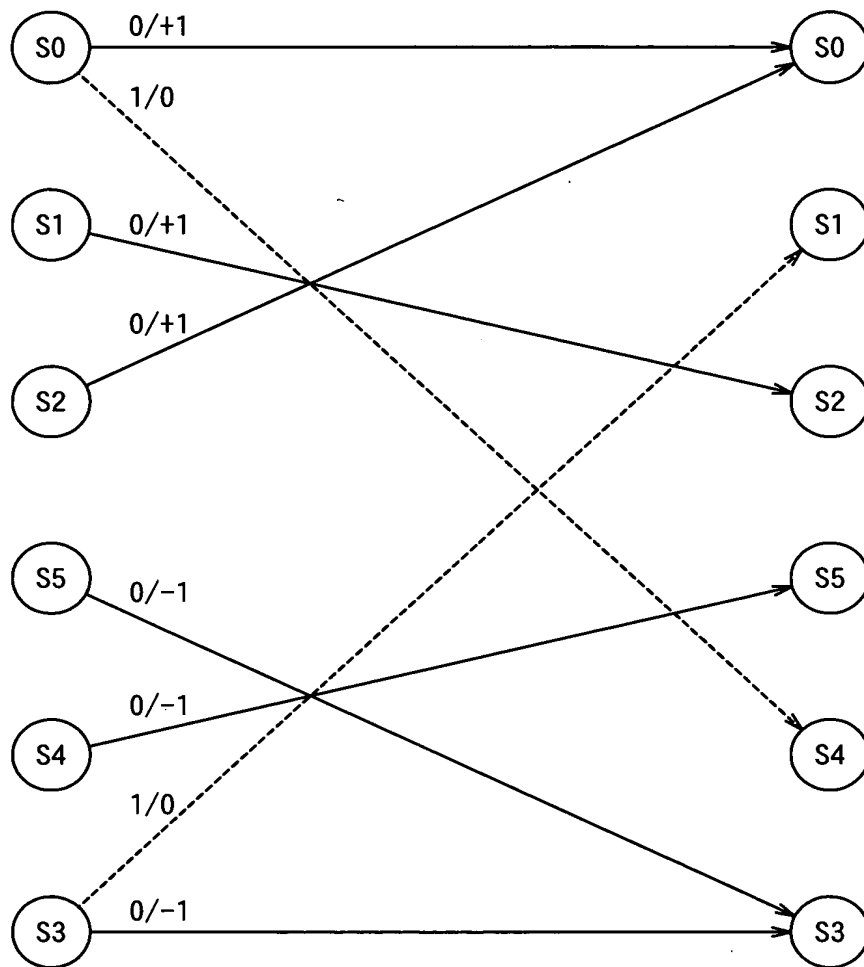
FIG.1



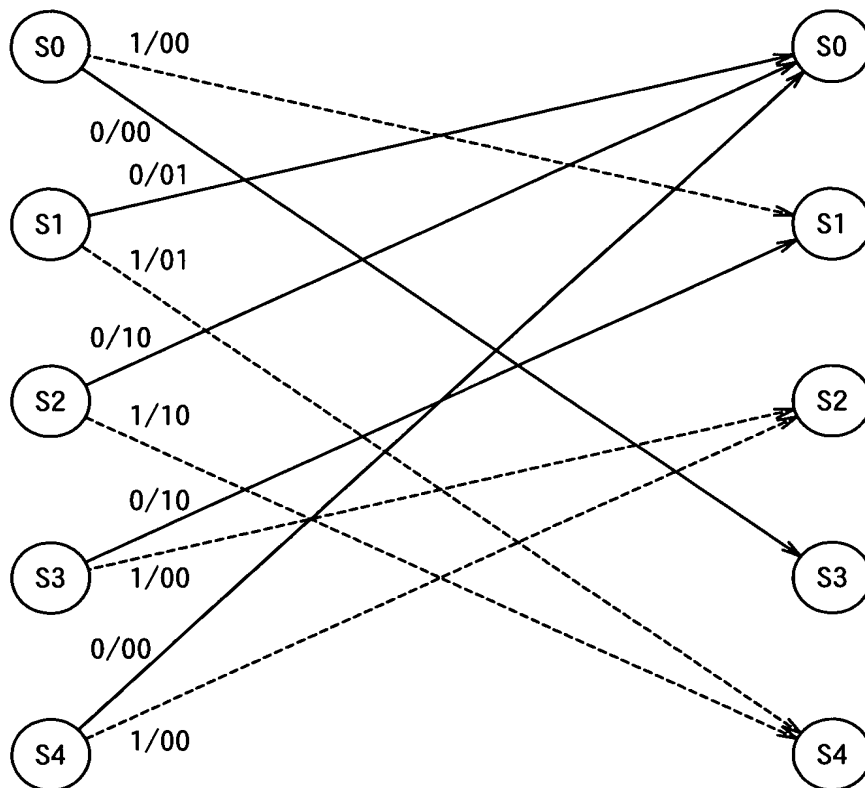
**FIG.2**



**FIG.3**



**FIG.4**



**FIG.5**

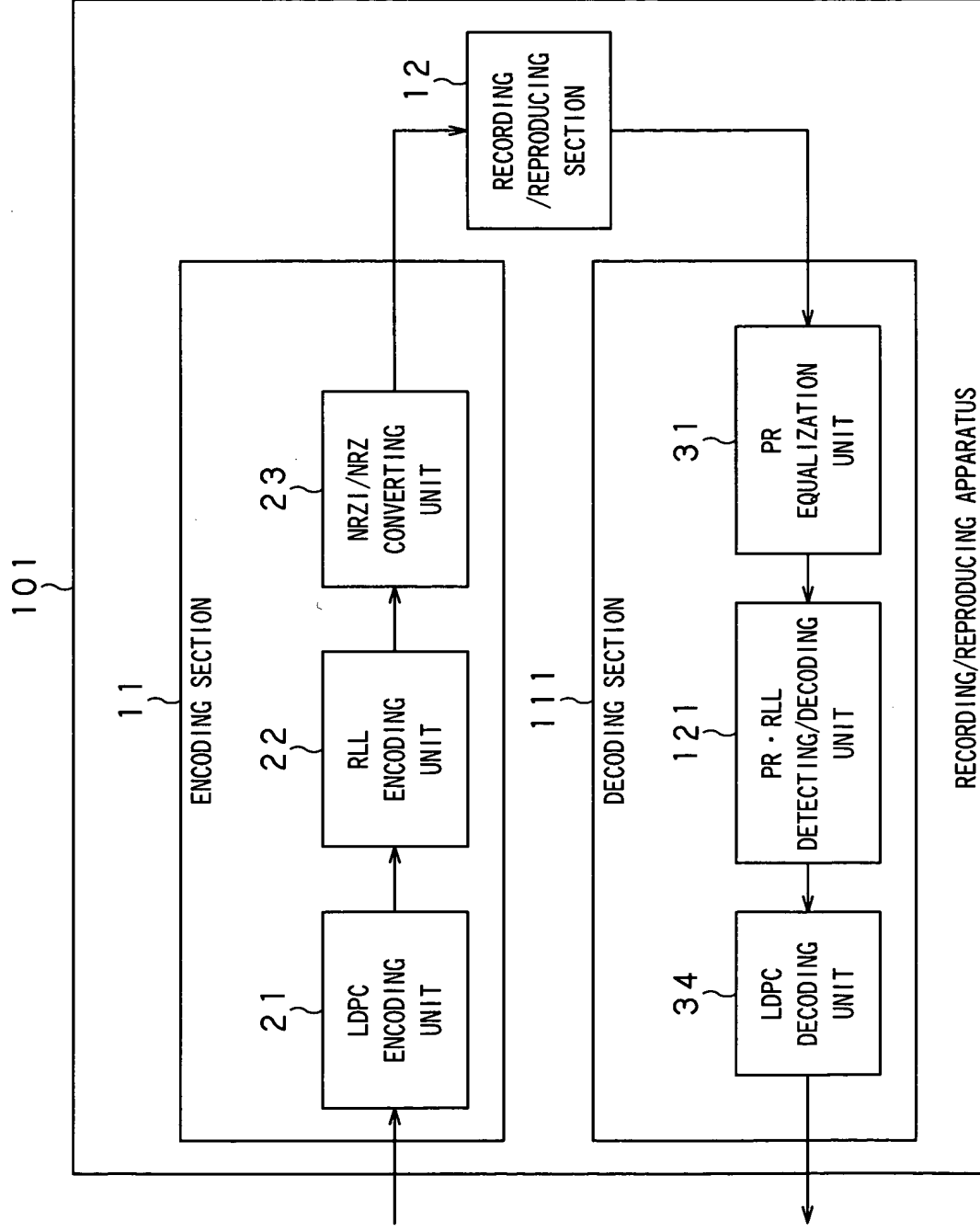


FIG.6

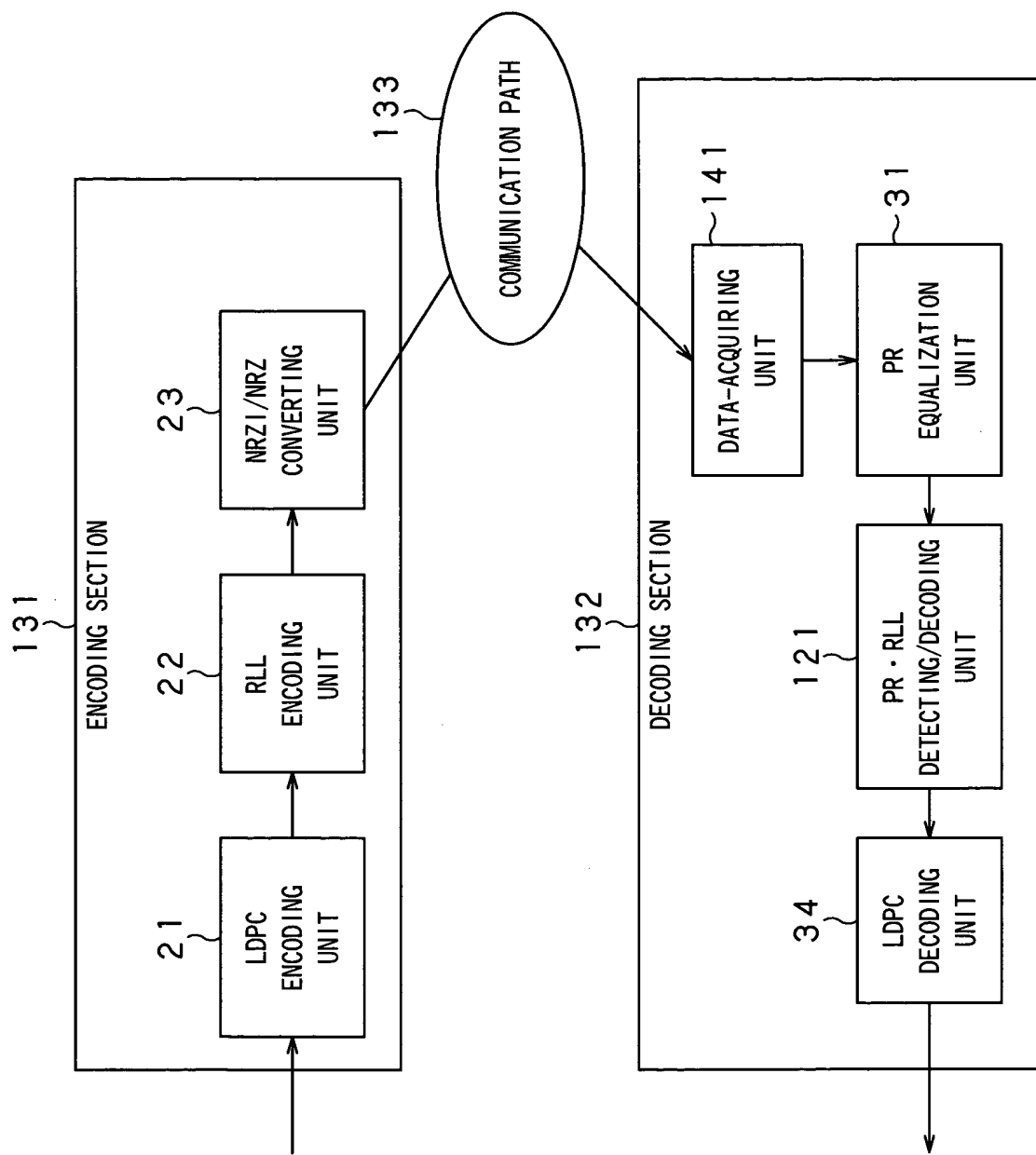


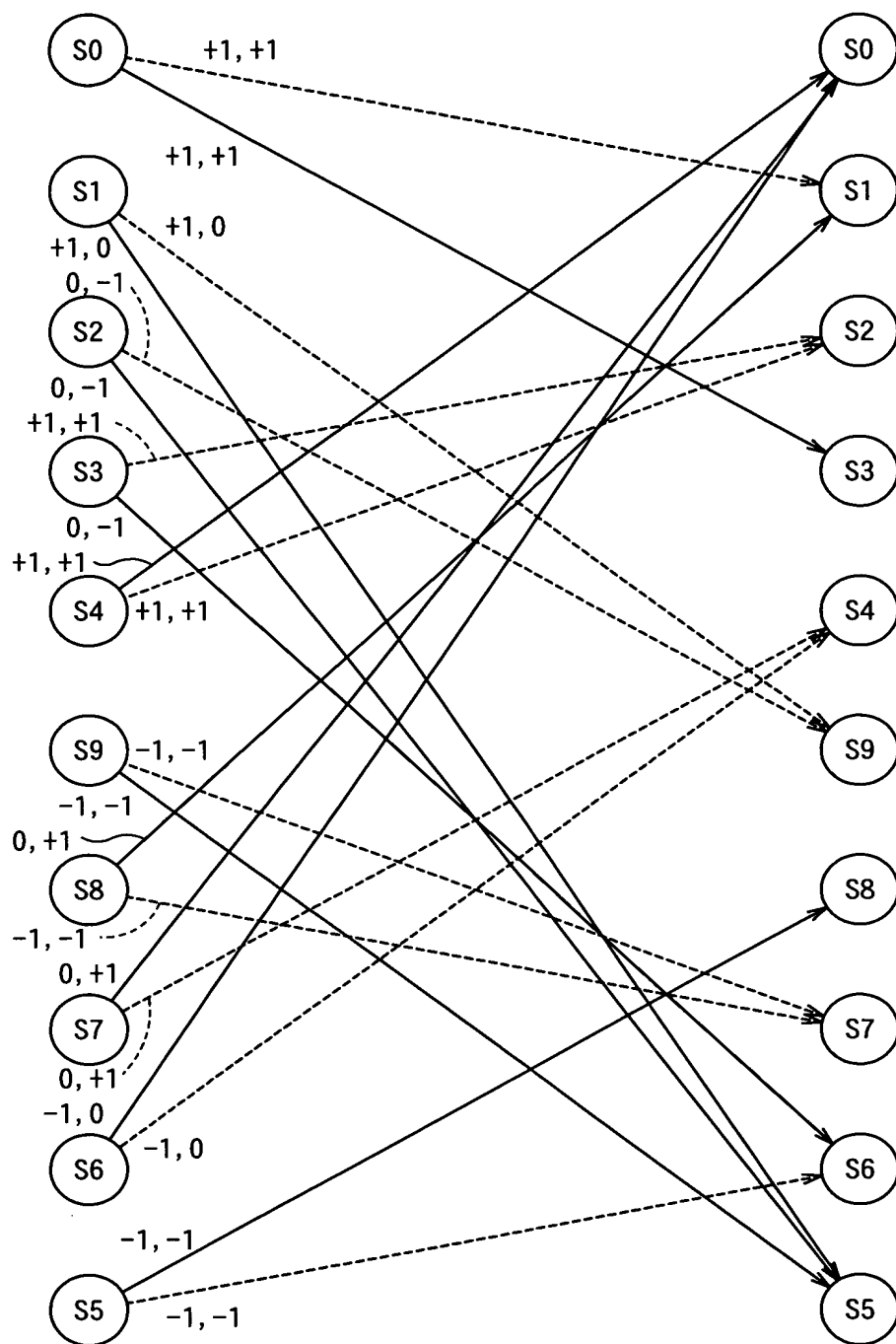
FIG.7

INITIAL STATE	INPUT 0	INPUT 1
S0	00/S3	00/S1
S1	01/S0	01/S4
S2	10/S0	10/S4
S3	10/S1	00/S2
S4	00/S0	00/S2

**FIG.8**

INITIAL STATE	INPUT 0	INPUT 1
S0	+1, +1/S3	+1, +1/S1
S1	+1, 0/S5	+1, 0/S9
S2	0, -1/S5	0, -1/S9
S3	0, -1/S6	+1, +1/S2
S4	+1, +1/S0	+1, +1/S2
S5	-1, -1/S8	-1, -1/S6
S6	-1, 0/S0	-1, 0/S4
S7	0, +1/S0	0, +1/S4
S8	0, +1/S1	-1, -1/S7
S9	-1, -1/S5	-1, -1/S7

**FIG.9**



**FIG. 10**



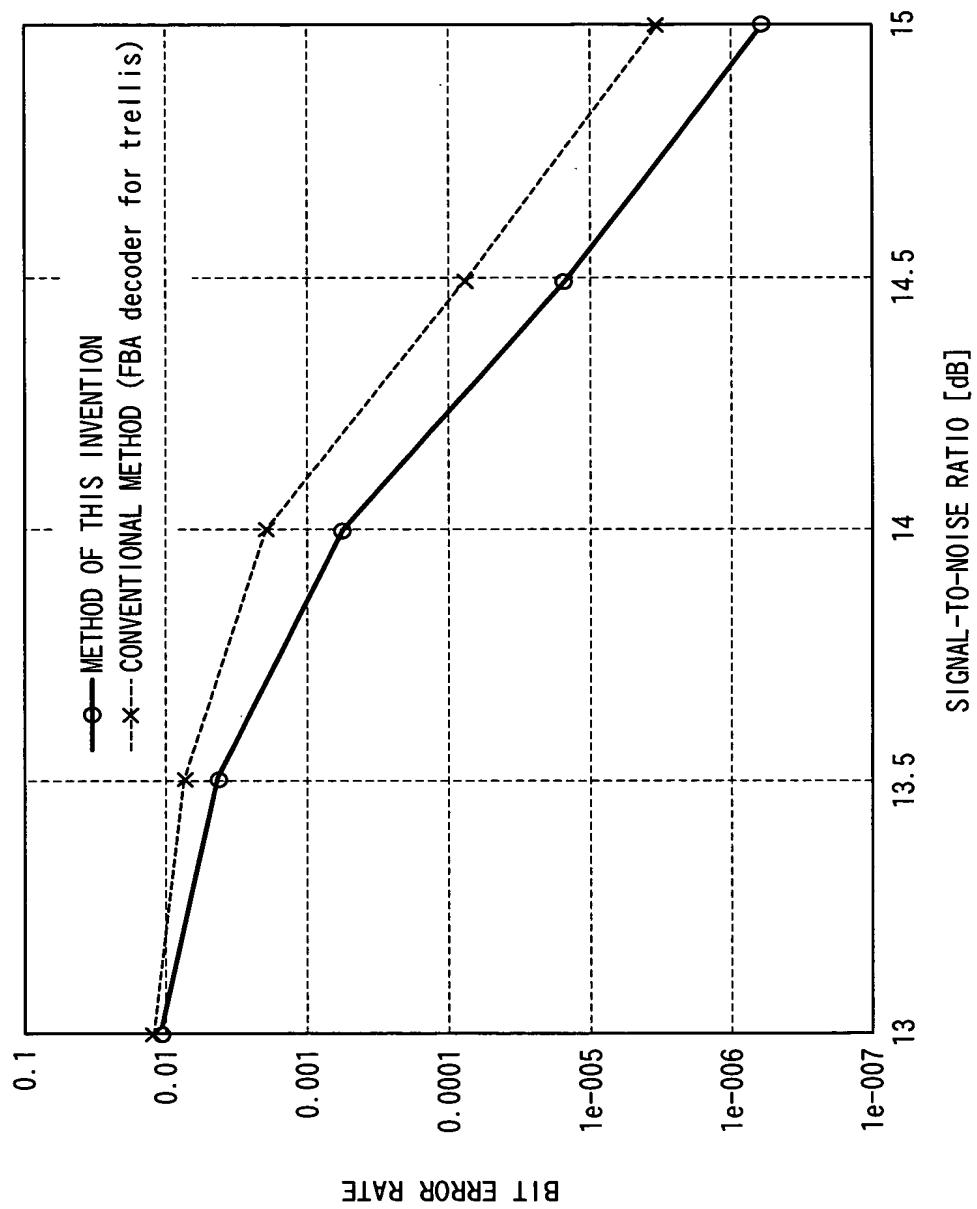


FIG. 11

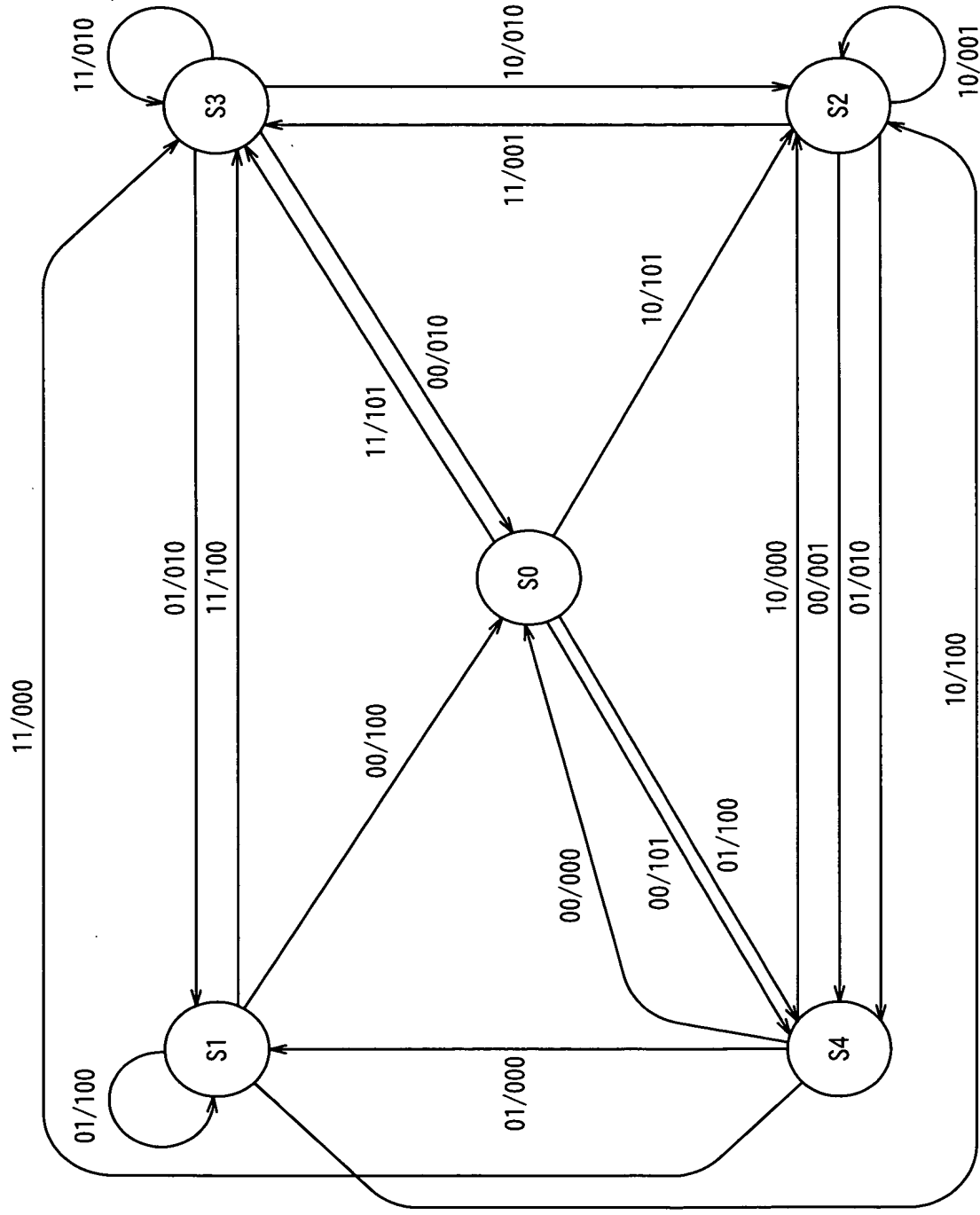
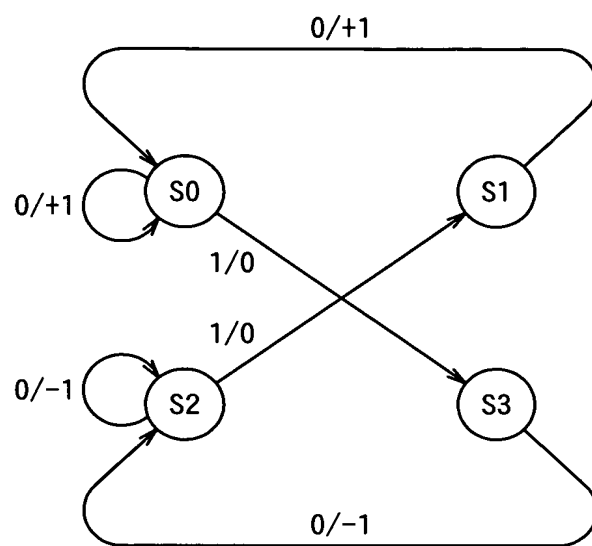


FIG.12

INITIAL STATE	INPUT 00	INPUT 01	INPUT 10	INPUT 11
S0	101/S4	100/S4	101/S2	101/S3
S1	100/S0	100/S1	100/S2	100/S3
S2	001/S4	010/S4	001/S2	001/S3
S3	010/S0	010/S1	010/S2	010/S3
S4	000/S0	000/S1	000/S2	000/S3

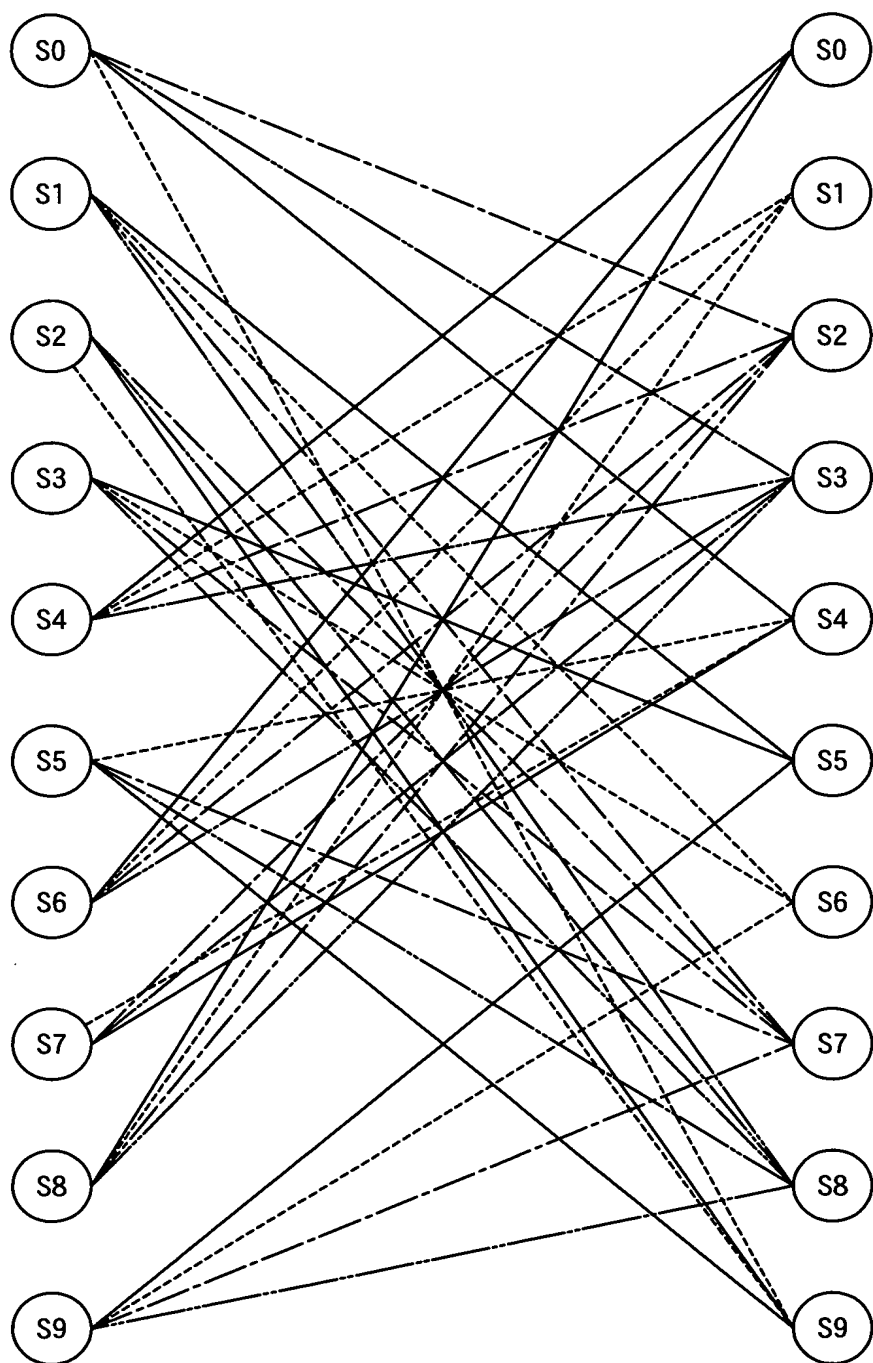
FIG.13



**FIG. 14**

INITIAL STATE	INPUT 00	INPUT 01	INPUT 10	INPUT 11
S0	0, -1, 0/S4	0, -1, -1/S9	0, -1, 0/S2	0, -1, 0/S3
S1	0, -1, -1/S5	0, -1, -1/S6	0, -1, -1/S7	0, -1, -1/S8
S2	+1, +1, 0/S9	+1, 0, -1/S9	+1, +1, 0/S7	+1, +1, 0/S8
S3	+1, 0, -1/S5	+1, 0, -1/S6	+1, 0, -1/S7	+1, 0, -1/S8
S4	+1, +1, +1/S0	+1, +1, +1/S1	+1, +1, +1/S2	+1, +1, +1/S3
S5	0, +1, 0/S9	0, +1, +1/S4	0, +1, 0/S7	0, +1, 0/S8
S6	0, +1, +1/S0	0, +1, +1/S1	0, +1, +1/S2	0, +1, +1/S3
S7	-1, -1, 0/S4	-1, 0, +1/S4	-1, -1, 0/S2	-1, -1, 0/S3
S8	-1, 0, +1/S0	-1, 0, +1/S1	-1, 0, +1/S2	-1, 0, +1/S3
S9	-1, -1, -1/S5	-1, -1, -1/S6	-1, -1, -1/S7	-1, -1, -1/S8

**FIG. 15**



**FIG. 1 6**

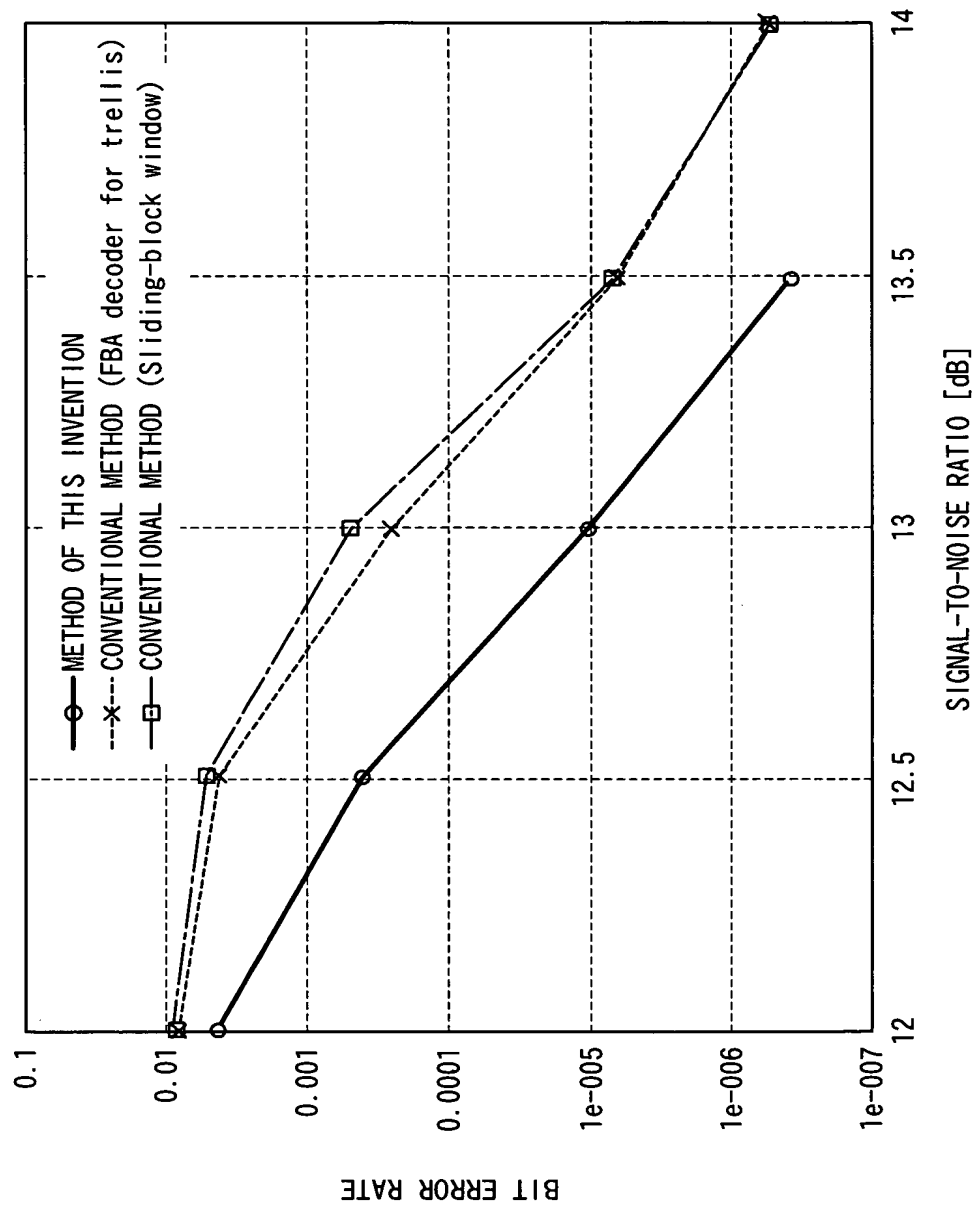
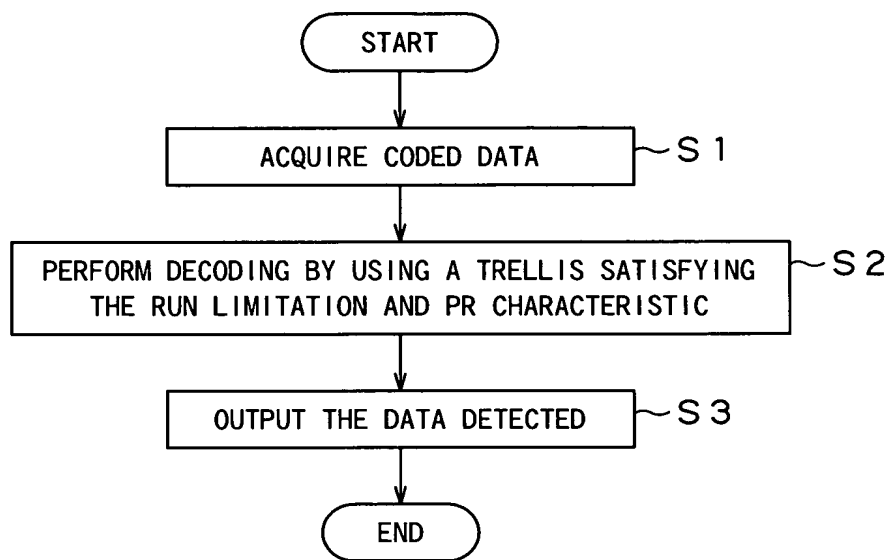


FIG.17



**FIG. 18**



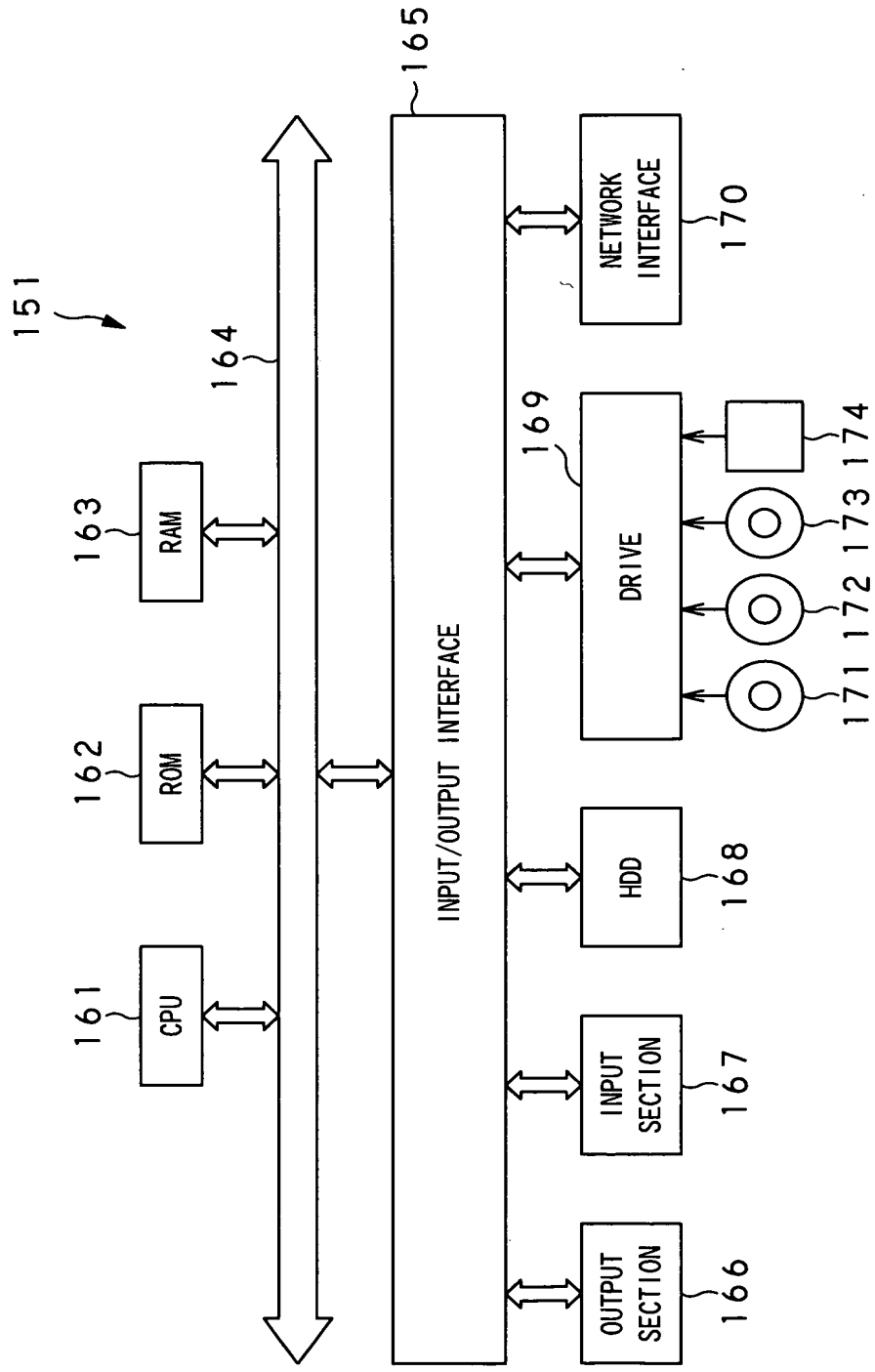


FIG.19